



January 28, 2021

Arthur Burbank Remedial Project Manager Forest Service Intermountain Region 4350 South Cliffs Drive Pocatello, ID 83204

Subject: Quarterly Progress Report – CERCLA Projects, Smoky Canyon Mine

Pole Canyon 2006 NTCRA (Water Management) Pole Canyon 2013 NTCRA (Cover System) Remedial Investigation/Feasibility Study

October through December 2020 (Fourth Quarter of 2020)

Dear Art,

This Fourth Quarter 2020 Progress Report describes work performed, deliverables and data transmittals for the period from October through December 2020, and identifies upcoming activities associated with the following CERCLA projects at the Smoky Canyon Mine:

- Pole Canyon Overburden Disposal Area (ODA) Non-Time-Critical Removal Actions (NTCRAs) Performance and Effectiveness Monitoring
- Remedial Investigation/Feasibility Study (RI/FS)

Work Performed, Including Deliverables and Data Transmittals

Pole Canyon ODA NTCRAs Performance and Effectiveness Monitoring

Two NTCRAs have been implemented at the Pole Canyon ODA. The first, the Pole Canyon Water Management NTCRA (2006 NTCRA) was implemented in accordance with the 2006 Administrative Settlement Agreement and Order on Consent (ASAOC). The second, the Pole Canyon Dinwoody/Chert Cover NTCRA (2013 NTRCA) was implemented under a separate 2013 ASAOC. The following effectiveness monitoring activities were conducted from October through December 2020 under the Pole Canyon NTCRA Effectiveness Monitoring Plan (EMP), Rev. No. 5:

- Water levels were monitored and recorded continuously at one Wells Formation monitoring well (GW-16) and three alluvial monitoring wells (GW-15, GW-22, and GW-26).
- Flow was monitored and recorded continuously at surface water monitoring stations LP-1 and UP-IN. Flow was also monitored continuously at the pipeline inlet (UP-PD) and outlet (LP-PD) structures, with telemetry access available for regular tracking of transducer measurements. As described in previous quarterly



reports, the telemetry system at the pipeline inlet structure was not functioning for much of 2020 and troubleshooting efforts were unsuccessful. The telemetry system at the inlet was replaced on October 15 and has been successfully transmitting data since.

• Fourth-quarter groundwater and surface water monitoring was conducted from November 2 through 5 at the following locations:

Surface Water	Groundwater
LSV-1	GW-15
NSV-5	GW-16
NSV-6	GW-22 (98 and 150 feet)
UP-IN	GW-26
UP-PD	
LP-1	
LP-PD	

Attached are preliminary, raw field and laboratory data for the locations sampled during fourth quarter 2020.

The fall inspection of the 2006 NTCRA components was conducted on November 3 in accordance with the 2006 NTCRA *Post-Removal Site Control (PRSC) Plan.* Starting in 2020, the inspection frequency of the 2013 NTCRA was reduced to once per year and was conducted in the spring. Maintenance activities identified during the spring 2020 inspection were completed in the fourth quarter. Cover maintenance included reseeding bare areas on the east side of the Pole ODA cover system and installing straw wattles and wood straws to protect against further erosion.

Remedial Investigation/Feasibility Study

Performance monitoring of the Phase 2 Ultra-Filtration/Reverse Osmosis and Fluidized Bed Bioreactor (UF/RO+FBR) water pilot treatment system at Hoopes Spring is ongoing. Results from the performance monitoring are being provided to the Agencies in monthly progress reports specific to the project.

Agency comments on FSTM#2 were received on October 13. After an extension from the original November 27 date was approved, response to comments are due January 18.

Upcoming Activities

Pole Canyon ODA NTCRAs Performance and Effectiveness Monitoring

 Conduct second quarter (spring) 2021 surface water and groundwater sampling at the locations identified in Table 3-2 of the *Pole Canyon NTCRA EMP Rev. No.* 5.



- Conduct the spring inspection of the 2006 NTCRA components in accordance with the 2006 NTCRA *PRSC Plan*.
- Conduct the spring inspection of the 2013 NTCRA components in accordance with the 2013 NTCRA *PRSC Plan*.
- Ongoing continuous flow monitoring at UP-PD, UP-IN, LP-PD, and LP-1.
- Ongoing continuous water-level monitoring at one Wells Formation monitoring wells (GW-16) and three alluvial monitoring wells (GW-15, GW-22, and GW-26).
- Finalize the *Pole Canyon ODA 2013 NTCRA Removal Action Repo*rt after comments are received from the Agencies or the report is approved.
- Finalize the 2019 Pole Canyon NTCRAs Performance and Effectiveness Monitoring Report after comments are received from the Agencies or the report is approved.

Remedial Investigation/Feasibility Study

- Continue bi-weekly UF/RO+FBR operation and monitoring in accordance with the Phase 2 Work Plan.
- Provide responses to Agency comments on FSTM#2 by January 18.
- Revise FSTM#2 in accordance with Agency comments and corresponding responses.
- Revise the Site-Specific Selenium Criterium (SSSC) Work Plan for North Fork Sage Creek and Pole Canyon Creek in accordance with additional comments received from the Agencies prior to performing field work in spring 2021.

Please contact me if there are questions regarding this submittal.

Sincerely,

Jeffrey Hamilton

Environmental Engineer

cc (1 copy except as otherwise noted):

Arthur Burbank – USFS, 410 East Hooper, Soda Springs, ID 83276 Sherri Stumbo – USFS, 4350 South Cliffs Dr., Pocatello, ID 83204







Rick McCormick – Jacobs, email only

Allan Erickson – Jacobs, email only

Doug Scott – Jacobs, email only

Doug Tanner – IDEQ, email only

Brady Johnson – IDEQ, email only

Tracy Rita – IDEQ, email only

Colleen O'Hara - BLM, 4350 South Cliffs Dr., Pocatello, Idaho 83204

Sandi Fisher - USFWS, email only

Ryan Braham - USFWS, 4425 Burley Dr., Suite A, Chubbuck, ID 83202

Jeremy Moore - USFWS, email only

Jennifer Crawford - USEPA, email only

Lynne Hood – USEPA, email only

Kelly Wright -Shoshone-Bannock Tribes, P.O. Box 306, Fort Hall, ID 83203

Susan Hanson –(b) (6) , Pocatello, ID 83202

Gary Billman - IDL, email only

Alan Prouty – J.R. Simplot Company, email only

Dedra Williams - J.R. Simplot Company, email only

Lori Lusty – J.R. Simplot Company, email only

Chad Gentry – J.R. Simplot Company, email only

Dan Darlington – J.R. Simplot Company, email only

Ron Quinn – J.R. Simplot Company, P.O. Box 1270, Afton, WY 83110

Andy Koulermos – Formation Environmental, email only

Len Mason – Formation Environmental, email only

Lily Vagelatos – Formation Environmental, email only

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StationID GW-15	StationDescription GW-15 Pole Canyon Shallow	Waterbody GW	XCoordinate 490901.622	YCoordinate 4725139.148	SampleName SC1120-GW15-GW001	SampleType Primary	SampleMedia GW	SampleDate 11/2/2020	SampleTime 2 40 00 PM	AnalyticalMethod EPA 6020B	TorDAnalysis T	Analyte Selenium	Result 0.0332	Units mg/L	DetLimit 0.00024	DetLimitType MDL	LabQualifier
GW-15	GW-15 Pole Canyon Shallow	GW	490901.622	4725139.148	SC1120-GW15-GW001	Primary	GW	11/2/2020	2 40 00 PM	EPA 6020B	D	Selenium	0.034	mg/L	0.00024	MDL	
GW-15	GW-15 Pole Canyon Shallow	GW	490901.622	4725139.148	SC1120-GW15-GW001	Primary	GW	11/2/2020	2 40 00 PM	EPA 300.0	T	Sulfate as SO4	23.1	mg/L	0.18	MDL/RpToMRL	
GW-15	GW-15 Pole Canyon Shallow	GW	490901.622	4725139.148	SC1120-GW15-GW001	Primary	GW	11/2/2020	2 40 00 PM	SM 2540 C	T	Total Diss. Solids	225	mg/L	0	MDL/RpToMRL	
GW-15	GW-15 Pole Canyon Shallow	GW GW	490901.622	4725139.148 4725139.148	SC1120-GW15-GW001-DTW	Field Measurement	GW	11/2/2020	2 40 00 PM 2 40 00 PM	Geotech Water Level Indicator - 750 ft	T	DTW	21.41	Feet			
GW-15 GW-15	GW-15 Pole Canyon Shallow GW-15 Pole Canyon Shallow	GW	490901.622 490901.622	4725139.148	SC1120-GW15-GW001-F SC1120-GW15-GW001-F	Field Measurement Field Measurement	GW GW	11/2/2020 11/2/2020	2 40 00 PM	In-Situ SmarTroll MP In-Situ SmarTroll MP	T	pH SC	8.3 398.3	SU umhos/ci	m		
GW-15	GW-15 Pole Canyon Shallow	GW	490901.622	4725139.148	SC1120-GW15-GW001-F	Field Measurement	GW	11/2/2020	2 40 00 PM	In-Situ SmarTroll MP	T	Temperature	6.98	C			
GW-15	GW-15 Pole Canyon Shallow	GW	490901.622	4725139.148	SC1120-GW15-GW001-F	Field Measurement	GW	11/2/2020	2 40 00 PM	In-Situ SmarTroll MP	T	DO	6.44	mg/L			
GW-15	GW-15 Pole Canyon Shallow	GW	490901.622	4725139.148	SC1120-GW15-GW001-F	Field Measurement	GW	11/2/2020	2 40 00 PM	In-Situ SmarTroll MP	T	Turbidity	3.94	NTU			
GW-15	GW-15 Pole Canyon Shallow	GW	490901.622	4725139.148	SC1120-GW15-GW001-F	Field Measurement	GW	11/2/2020	2 40 00 PM	In-Situ SmarTroll MP	T	ORP	230.6	mV	0.00004		
GW-15 GW-15	GW-15 Pole Canyon Shallow GW-15 Pole Canyon Shallow	GW GW	490901.622 490901.622	4725139.148 4725139.148	SC1120-GW15-GW201 SC1120-GW15-GW201	Field Duplicate Field Duplicate	GW GW	11/2/2020 11/2/2020	2 40 00 PM 2 40 00 PM	EPA 6020B EPA 6020B	ı	Selenium Selenium	0.0331 0.0334	mg/L mg/L	0.00024 0.00024	MDL MDL	
GW-15	GW-15 Pole Canyon Shallow	GW	490901.622	4725139.148	SC1120-GW15-GW201 SC1120-GW15-GW201	Field Duplicate	GW	11/2/2020	2 40 00 PM	EPA 300.0	T	Sulfate as SO4	22.8	mg/L	1.8	MDL/RpToMRL	
GW-15	GW-15 Pole Canyon Shallow	GW	490901.622	4725139.148	SC1120-GW15-GW201	Field Duplicate	GW	11/2/2020	2 40 00 PM	SM 2540 C	T	Total Diss. Solids	216	mg/L	0	MDL/RpToMRL	
GW-16	GW-16 Pole Canyon Deep	GW	490915.2997	4725121.707	SC1120-GW16-GW001	Primary	GW	11/2/2020	2 05 00 PM	EPA 6020B	T	Selenium	0.436	mg/L	0.00024	MDL	
GW-16	GW-16 Pole Canyon Deep	GW	490915.2997	4725121.707	SC1120-GW16-GW001	Primary	GW	11/2/2020	2 05 00 PM	EPA 6020B	D	Selenium	0.452	mg/L	0.00024	MDL	
GW-16 GW-16	GW-16 Pole Canyon Deep GW-16 Pole Canyon Deep	GW GW	490915.2997	4725121.707	SC1120-GW16-GW001 SC1120-GW16-GW001	Primary	GW GW	11/2/2020	2 05 00 PM	EPA 300.0	T T	Sulfate as SO4	145 422	mg/L	1.8	MDL/RpToMRL	
GW-16	GW-16 Pole Canyon Deep	GW	490915.2997 490915.2997	4725121.707 4725121.707	SC1120-GW16-GW001-DTW	Primary Field Measurement	GW	11/2/2020 11/2/2020	2 05 00 PM 2 05 00 PM	SM 2540 C Geotech Water Level Indicator - 750 ft	T	Total Diss. Solids DTW	215.46	mg/L Feet	U	MDL/RpToMRL	
GW-16	GW-16 Pole Canyon Deep	GW	490915.2997	4725121.707	SC1120-GW16-GW001-F	Field Measurement	GW	11/2/2020	2 05 00 PM	In-Situ SmarTroll MP	T	pH	8.14	SU			
GW-16	GW-16 Pole Canyon Deep	GW	490915.2997	4725121.707	SC1120-GW16-GW001-F	Field Measurement	GW	11/2/2020	2 05 00 PM	In-Situ SmarTroll MP	T	SC	665.4	umhos/ci	m		
GW-16	GW-16 Pole Canyon Deep	GW	490915.2997	4725121.707	SC1120-GW16-GW001-F	Field Measurement	GW	11/2/2020	2 05 00 PM	In-Situ SmarTroll MP	T	Temperature	6.44	С			
GW-16	GW-16 Pole Canyon Deep	GW	490915.2997	4725121.707	SC1120-GW16-GW001-F	Field Measurement	GW	11/2/2020	2 05 00 PM	In-Situ SmarTroll MP	T	DO	8.38	mg/L			
GW-16 GW-16	GW-16 Pole Canyon Deep GW-16 Pole Canyon Deep	GW GW	490915.2997 490915.2997	4725121.707 4725121.707	SC1120-GW16-GW001-F SC1120-GW16-GW001-F	Field Measurement	GW GW	11/2/2020	2 05 00 PM 2 05 00 PM	In-Situ SmarTroll MP In-Situ SmarTroll MP	I T	Turbidity ORP	2.85	NTU mV			
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW22150-GW001-F	Field Measurement Primary	GW	11/2/2020 11/2/2020	1 15 00 PM	EPA 6020B	T	Selenium	229.8 0.0392	mg/L	0.00024	MDL	
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW22150-GW001	Primary	GW	11/2/2020	1 15 00 PM	EPA 6020B	D	Selenium	0.0392	mg/L	0.00024	MDL	
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW22150-GW001	Primary	GW	11/2/2020	1 15 00 PM	EPA 300.0	T	Sulfate as SO4	16.7	mg/L	1.8	MDL/RpToMRL	
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW22150-GW001	Primary	GW	11/2/2020	1 15 00 PM	SM 2540 C	T	Total Diss. Solids	201	mg/L	0	MDL/RpToMRL	
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW22150-GW001-DTW	Field Measurement	GW	11/2/2020	1 15 00 PM	Geotech Water Level Indicator - 750 ft	T	DTW	22.04	Feet			
GW-22 GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW GW	491413.7567 491413.7567	4724501.633 4724501.633	SC1120-GW22150-GW001-F SC1120-GW22150-GW001-F	Field Measurement Field Measurement	GW GW	11/2/2020	1 15 00 PM 1 15 00 PM	In-Situ SmarTroll MP In-Situ SmarTroll MP	I T	рH	8.52 365	SU umhos/ci			
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW22150-GW001-F SC1120-GW22150-GW001-F	Field Measurement	GW	11/2/2020 11/2/2020	1 15 00 PM	In-Situ SmarTroll MP	T	Temperature	7.75	C	111		
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW22150-GW001-F	Field Measurement	GW	11/2/2020	1 15 00 PM	In-Situ SmarTroll MP	T	DO	9.04	mg/L			
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW22150-GW001-F	Field Measurement	GW	11/2/2020	1 15 00 PM	In-Situ SmarTroll MP	T	Turbidity	1.55	NTU			
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW22150-GW001-F	Field Measurement	GW	11/2/2020	1 15 00 PM	In-Situ SmarTroll MP	T	ORP	218.2	mV			
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW2298-GW001	Primary	GW	11/2/2020	12 50 00 PM	EPA 6020B	T	Selenium	0.0941	mg/L	0.00024	MDL	
GW-22 GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW GW	491413.7567	4724501.633 4724501.633	SC1120-GW2298-GW001 SC1120-GW2298-GW001	Primary Primary	GW GW	11/2/2020	12 50 00 PM	EPA 6020B EPA 300.0	D T	Selenium	0.0949	mg/L	0.00024	MDL /BoToMBL	
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567 491413.7567	4724501.633	SC1120-GW2298-GW001 SC1120-GW2298-GW001	Primary	GW	11/2/2020 11/2/2020	12 50 00 PM 12 50 00 PM	SM 2540 C	T	Sulfate as SO4 Total Diss. Solids	35.1 229	mg/L mg/L	1.8 0	MDL/RpToMRL MDL/RpToMRL	
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW2298-GW001-DTW	Field Measurement	GW	11/2/2020	12 50 00 PM	Geotech Water Level Indicator - 750 ft	T	DTW	22.04	Feet	Ü	mozynpromic	
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW2298-GW001-F	Field Measurement	GW	11/2/2020	12 50 00 PM	In-Situ SmarTroll MP	T	рН	8.51	SU			
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW2298-GW001-F	Field Measurement	GW	11/2/2020	12 50 00 PM	In-Situ SmarTroll MP	T	SC	224.3	umhos/ci	m		
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW2298-GW001-F	Field Measurement	GW	11/2/2020	12 50 00 PM	In-Situ SmarTroll MP	T	Temperature	9.18	С.			
GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW	491413.7567	4724501.633	SC1120-GW2298-GW001-F	Field Measurement	GW	11/2/2020	12 50 00 PM	In-Situ SmarTroll MP	I T	DO Turbiditu	8.64	mg/L			
GW-22 GW-22	Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley Pole Canyon Creek/Sage Valley Shallow Well located just southeast of Pole Canyon on the western edge of Sage Valley	GW GW	491413.7567 491413.7567	4724501.633 4724501.633	SC1120-GW2298-GW001-F SC1120-GW2298-GW001-F	Field Measurement Field Measurement	GW GW	11/2/2020 11/2/2020	12 50 00 PM 12 50 00 PM	In-Situ SmarTroll MP In-Situ SmarTroll MP	T	Turbidity ORP	1.83 193.4	NTU mV			
GW-26	Bottom of Pole Canyon about 18 feet west of GW-23	GW	490698.1385	4725184.011	SC1120-GW26-GW001	Primary	GW	11/2/2020	3 20 00 PM	EPA 6020B	T	Selenium	2.26	mg/L	0.00024	MDL	
GW-26	Bottom of Pole Canyon about 18 feet west of GW-23	GW	490698.1385	4725184.011	SC1120-GW26-GW001	Primary	GW	11/2/2020	3 20 00 PM	EPA 6020B	D	Selenium	2.32	mg/L	0.00024	MDL	
GW-26	Bottom of Pole Canyon about 18 feet west of GW-23	GW	490698.1385	4725184.011	SC1120-GW26-GW001	Primary	GW	11/2/2020	3 20 00 PM	EPA 300.0	T	Sulfate as SO4	785	mg/L	9	MDL/RpToMRL	
GW-26	Bottom of Pole Canyon about 18 feet west of GW-23	GW	490698.1385	4725184.011	SC1120-GW26-GW001	Primary	GW	11/2/2020	3 20 00 PM	SM 2540 C	T	Total Diss. Solids	1400	mg/L	0	MDL/RpToMRL	
GW-26 GW-26	Bottom of Pole Canyon about 18 feet west of GW-23	GW GW	490698.1385	4725184.011	SC1120-GW26-GW001-DTW SC1120-GW26-GW001-F	Field Measurement	GW GW	11/2/2020	3 20 00 PM	In-Situ Water Level Indicator	T T	DTW	20.49 8.01	Feet SU			
GW-26 GW-26	Bottom of Pole Canyon about 18 feet west of GW-23 Bottom of Pole Canyon about 18 feet west of GW-23	GW	490698.1385 490698.1385	4725184.011 4725184.011	SC1120-GW26-GW001-F SC1120-GW26-GW001-F	Field Measurement Field Measurement	GW	11/2/2020 11/2/2020	3 20 00 PM 3 20 00 PM	In-Situ SmarTroll MP In-Situ SmarTroll MP	T	pH SC	1670.1	umhos/ci	m		
GW-26	Bottom of Pole Canyon about 18 feet west of GW-23	GW	490698.1385	4725184.011	SC1120 GW20 GW001 F	Field Measurement	GW	11/2/2020	3 20 00 PM	In-Situ SmarTroll MP	T	Temperature	8	C			
GW-26	Bottom of Pole Canyon about 18 feet west of GW-23	GW	490698.1385	4725184.011	SC1120-GW26-GW001-F	Field Measurement	GW	11/2/2020	3 20 00 PM	In-Situ SmarTroll MP	T	DO	5.4	mg/L			
GW-26	Bottom of Pole Canyon about 18 feet west of GW-23	GW	490698.1385	4725184.011	SC1120-GW26-GW001-F	Field Measurement	GW	11/2/2020	3 20 00 PM	In-Situ SmarTroll MP	T	Turbidity	3.19	NTU			
GW-26	Bottom of Pole Canyon about 18 feet west of GW-23	GW	490698.1385	4725184.011	SC1120-GW26-GW001-F	Field Measurement	GW	11/2/2020	3 20 00 PM	In-Situ SmarTroll MP	T	ORP	238	mV .			
LP-1	Pole Canyon Creek at overburden dump french drain outlet	Pole Creek	490598	4725145	SC1120-LP1-SW001	Primary	SW SW	11/3/2020	9 10 00 AM	EPA 6010D	T	Calcium	623	mg/L	0.069	MDL	
LP-1 LP-1	Pole Canyon Creek at overburden dump french drain outlet Pole Canyon Creek at overburden dump french drain outlet	Pole Creek Pole Creek	490598 490598	4725145 4725145	SC1120-LP1-SW001 SC1120-LP1-SW001	Primary Primary	SW	11/3/2020 11/3/2020	9 10 00 AM 9 10 00 AM	SM 2340 B EPA 6010D	T	Hardness (as CaCO3)	2160	mg/L mg/L	0.543 0.09	MDL/RpToMRL	
LP-1	Pole Canyon Creek at overburden dump french drain outlet	Pole Creek	490598	4725145	SC1120-LP1-SW001	Primary	SW	11/3/2020	9 10 00 AM	EPA 6020B	Ť	Selenium	2.75	mg/L	0.00024	MDL	
LP-1	Pole Canyon Creek at overburden dump french drain outlet	Pole Creek	490598	4725145	SC1120-LP1-SW001	Primary	SW	11/3/2020	9 10 00 AM	EPA 6020B	D	Selenium	2.49	mg/L	0.00024	MDL	
LP-1	Pole Canyon Creek at overburden dump french drain outlet	Pole Creek	490598	4725145	SC1120-LP1-SW001	Primary	SW	11/3/2020	9 10 00 AM	EPA 300.0	T	Sulfate as SO4	1780	mg/L	9	MDL/RpToMRL	
LP-1	Pole Canyon Creek at overburden dump french drain outlet	Pole Creek	490598	4725145	SC1120-LP1-SW001	Primary	SW	11/3/2020	9 10 00 AM	SM 2540 C	T	Total Diss. Solids	2740	mg/L	0	MDL/RpToMRL	
LP-1 LP-1	Pole Canyon Creek at overburden dump french drain outlet Pole Canyon Creek at overburden dump french drain outlet	Pole Creek Pole Creek	490598 490598	4725145 4725145	SC1120-LP1-SW001-F SC1120-LP1-SW001-F	Field Measurement Field Measurement	SW SW	11/3/2020 11/3/2020	9 10 00 AM 9 10 00 AM	YSI ProDSS YSI ProDSS	I T	рH	7.63 3008	SU umhos/ci			
LP-1	Pole Canyon Creek at overburden dump french drain outlet	Pole Creek	490598	4725145	SC1120-LP1-SW001-F	Field Measurement	SW	11/3/2020	9 10 00 AM	YSI ProDSS	Ť	Temperature	6.2	C	""		
LP-1	Pole Canyon Creek at overburden dump french drain outlet	Pole Creek	490598	4725145	SC1120-LP1-SW001-F	Field Measurement	SW	11/3/2020	9 10 00 AM	YSI ProDSS	T	DO	8.18	mg/L			
LP-1	Pole Canyon Creek at overburden dump french drain outlet	Pole Creek	490598	4725145	SC1120-LP1-SW001-F	Field Measurement	SW	11/3/2020	9 10 00 AM	YSI ProDSS	T	Turbidity	66	NTU			
LP-1	Pole Canyon Creek at overburden dump french drain outlet	Pole Creek	490598	4725145	SC1120-LP1-SW001-F	Field Measurement	SW	11/3/2020	9 10 00 AM	YSI ProDSS	T	ORP	216.4	mV			
LP-1	Pole Canyon Creek at overburden dump french drain outlet	Pole Creek	490598	4725145	SC1120-LP1-SW001-Q	Field Measurement	SW	11/3/2020	9 10 00 AM	3 in Parshall Flume, standard equation	T	Flow	0.002	cfs	0.00024	MDI	
LP-PD LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek Pole Creek	490847 490847	4725159 4725159	SC1120-LPPD-SW001 SC1120-LPPD-SW001	Primary Primary	SW SW	11/3/2020 11/3/2020	8 30 00 AM 8 30 00 AM	EPA 6020B EPA 6020B	ı	Selenium Selenium	0.00067 0.00049	mg/L mg/L	0.00024 0.00024	MDL MDL	J
LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek	490847	4725159	SC1120-LPPD-SW001	Primary	SW	11/3/2020	8 30 00 AM	EPA 300.0	T	Sulfate as SO4	14.2	mg/L	0.18	MDL/RpToMRL	,
LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek	490847	4725159	SC1120-LPPD-SW001	Primary	SW	11/3/2020	8 30 00 AM	SM 2540 C	T	Total Diss. Solids	168	mg/L	0	MDL/RpToMRL	
LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek	490847	4725159	SC1120-LPPD-SW001	Primary	SW	11/3/2020	8 30 00 AM	EPA 6010D	T	Calcium	61.1	mg/L	0.069	MDL	
LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek	490847	4725159	SC1120-LPPD-SW001	Primary	SW	11/3/2020	8 30 00 AM	SM 2340 B	T	Hardness (as CaCO3)	194	mg/L	0.543	MDL/RpToMRL	
LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek	490847	4725159	SC1120-LPPD-SW001	Primary	SW	11/3/2020	8 30 00 AM	EPA 6010D	I T	Magnesium	10.2	mg/L	0.09	MDL	
LP-PD LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek Pole Creek	490847 490847	4725159 4725159	SC1120-LPPD-SW001-F SC1120-LPPD-SW001-F	Field Measurement Field Measurement	SW SW	11/3/2020 11/3/2020	8 30 00 AM 8 30 00 AM	YSI ProDSS YSI ProDSS	T	ρπ SC	8.55 355.7	SU umhos/ci	m		
LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek	490847	4725159	SC1120-LPPD-SW001-F	Field Measurement	SW	11/3/2020	8 30 00 AM	YSI ProDSS	T	Temperature	5.3	C			
LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek	490847	4725159	SC1120-LPPD-SW001-F	Field Measurement	SW	11/3/2020	8 30 00 AM	YSI ProDSS	Т	DO	9.87	mg/L			
LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek	490847	4725159	SC1120-LPPD-SW001-F	Field Measurement	SW	11/3/2020	8 30 00 AM	YSI ProDSS	T	Turbidity	2.18	NTU			
LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek	490847	4725159	SC1120-LPPD-SW001-F	Field Measurement	SW	11/3/2020	8 30 00 AM	YSI ProDSS	T -	ORP	172.1	mV			
LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek	490847	4725159	SC1120-LPPD-SW001-Q	Field Measurement	SW	11/3/2020	8 30 00 AM	Combination Weir, loc-specific equation	I T	Flow	0.106	cfs mg/l	0.050	MDI	
LP-PD LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek Pole Creek	490847 490847	4725159 4725159	SC1120-LPPD-SW201 SC1120-LPPD-SW201	Field Duplicate Field Duplicate	SW SW	11/3/2020 11/3/2020	8 30 00 AM 8 30 00 AM	EPA 6010D SM 2340 B	T	Calcium Hardness (as CaCO3)	61.3 195	mg/L mg/L	0.069 0.543	MDL MDL/RpToMRL	
LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek	490847	4725159	SC1120-LPPD-SW201	Field Duplicate	SW	11/3/2020	8 30 00 AM	EPA 6010D	Т	Magnesium	10.2	mg/L	0.09	MDL MDL	
LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek	490847	4725159	SC1120-LPPD-SW201	Field Duplicate	SW	11/3/2020	8 30 00 AM	EPA 6020B	T	Selenium	0.00029	mg/L	0.00024	MDL	J
LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek	490847	4725159	SC1120-LPPD-SW201	Field Duplicate	SW	11/3/2020	8 30 00 AM	EPA 6020B	D	Selenium	0.00024	mg/L	0.00024	MDL	U
LP-PD	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream	Pole Creek	490847	4725159	SC1120-LPPD-SW201	Field Duplicate	SW	11/3/2020	8 30 00 AM	EPA 300.0	T	Sulfate as SO4	15	mg/L	1.8	MDL/RpToMRL	
LP-PD LSV-1	Lower Pole - post-diversion. LP moved downstream of culvert below where diverted water re-enters the stream Sage Creek below inflow from North Sage Creek	Pole Creek Sage Creek	490847 491495.5876	4725159 4720996.503	SC1120-LPPD-SW201 SC1120-LSV1-SW001	Field Duplicate Primary	SW SW	11/3/2020 11/5/2020	8 30 00 AM 4 50 00 PM	SM 2540 C EPA 300.0	I T	Total Diss. Solids Sulfate as SO4	151 27.3	mg/L mg/L	0 1.8	MDL/RpToMRL MDL/RpToMRL	
234 1		Subc ciccu	.51755.5670	20550.503		у	···	11, 3, 2020	. 55 00 FIVI		•	Junaic 03 304	27.3	6/ -	2.0		

StationID	StationDescription	Waterbody	XCoordinate	YCoordinate	SampleName	SampleType	SampleMedia	SampleDate	SampleTime	AnalyticalMethod	TorDAnalysis	Analyte	Result	Units	DetLimit	DetLimitType	LabQualifier
LSV-1	Sage Creek below inflow from North Sage Creek	Sage Creek	491495.5876	4720996.503	SC1120-LSV1-SW001	Primary	SW	11/5/2020	4 50 00 PM	SM 2540 C	T	Total Diss. Solids	211	mg/L	0	MDL/RpToMRL	
LSV-1	Sage Creek below inflow from North Sage Creek	Sage Creek	491495.5876	4720996.503	SC1120-LSV1-SW001	Primary	SW	11/5/2020	4 50 00 PM	EPA 6010D	T	Calcium	58.5	mg/L	0.069	MDL	
LSV-1	Sage Creek below inflow from North Sage Creek	Sage Creek	491495.5876	4720996.503	SC1120-LSV1-SW001	Primary	SW	11/5/2020	4 50 00 PM	SM 2340 B	T	Hardness (as CaCO3)	209	-	0.543	MDL/RpToMRL	
LSV-1	Sage Creek below inflow from North Sage Creek	Sage Creek	491495.5876	4720996.503	SC1120-LSV1-SW001	Primary	SW	11/5/2020	4 50 00 PM	EPA 6010D	T	Magnesium	15.3	0.	0.09	MDL	
LSV-1	Sage Creek below inflow from North Sage Creek	Sage Creek	491495.5876	4720996.503	SC1120-LSV1-SW001	Primary	SW	11/5/2020	4 50 00 PM	EPA 6020B	T	Selenium	0.00093	0.	0.00024	MDL	J
LSV-1	Sage Creek below inflow from North Sage Creek	Sage Creek	491495.5876	4720996.503 4720996.503	SC1120-LSV1-SW001	Primary	SW	11/5/2020	4 50 00 PM	EPA 6020B YSI ProDSS	D -	Selenium	0.00091	0,	0.00024	MDL	J
LSV-1	Sage Creek below inflow from North Sage Creek	Sage Creek	491495.5876		SC1120-LSV1-SW001-F	Field Measurement	SW SW	11/5/2020	4 50 00 PM		I =	pH SC	8.64	SU	_		
LSV-1 LSV-1	Sage Creek below inflow from North Sage Creek	Sage Creek	491495.5876 491495.5876	4720996.503 4720996.503	SC1120-LSV1-SW001-F SC1120-LSV1-SW001-F	Field Measurement Field Measurement	SW	11/5/2020	4 50 00 PM 4 50 00 PM	YSI ProDSS YSI ProDSS	T	50	393.7 6.9	umhos/cm C	1		
LSV-1	Sage Creek below inflow from North Sage Creek Sage Creek below inflow from North Sage Creek	Sage Creek Sage Creek	491495.5876	4720996.503	SC1120-LSV1-SW001-F SC1120-LSV1-SW001-F	Field Measurement	SW	11/5/2020 11/5/2020	4 50 00 PM	YSI ProDSS	T	Temperature DO	9.38	mg/L			
LSV-1	Sage Creek below inflow from North Sage Creek	Sage Creek	491495.5876	4720996.503	SC1120-LSV1-SW001-F	Field Measurement	SW	11/5/2020	4 50 00 PM	YSI ProDSS	T	Turbidity	3.19	NTU			
ISV-1	Sage Creek below inflow from North Sage Creek	Sage Creek	491495.5876	4720996.503	SC1120-LSV1-SW001-F		SW	11/5/2020	4 50 00 PM	YSI ProDSS	Т	ORP	219.1	mV			
LSV-1	Sage Creek below inflow from North Sage Creek	Sage Creek	491495.5876	4720996.503	SC1120-LSV1-SW001-Q	Field Measurement	SW	11/5/2020	4 50 00 PM	SonTek FlowTracker2, area-velocity method	Т	Flow	3.39	cfs			
NSV-5	North Fork Sage Creek, above Pole Creek	North Fork Sage Creek	492267	4724361	SC1120-NSV5-SW001	Primary	SW	11/3/2020	2 20 00 PM	EPA 6010D	T	Calcium	64		0.069	MDL	
NSV-5	North Fork Sage Creek, above Pole Creek	North Fork Sage Creek	492267	4724361	SC1120-NSV5-SW001	Primary	SW	11/3/2020	2 20 00 PM	SM 2340 B	Т	Hardness (as CaCO3)	214		0.543	MDL/RpToMRL	
NSV-5	North Fork Sage Creek, above Pole Creek	North Fork Sage Creek	492267	4724361	SC1120-NSV5-SW001	Primary	SW	11/3/2020	2 20 00 PM	EPA 6010D	Т	Magnesium	13.3		0.09	MDL	
NSV-5	North Fork Sage Creek, above Pole Creek	North Fork Sage Creek	492267	4724361	SC1120-NSV5-SW001	Primary	SW	11/3/2020	2 20 00 PM	EPA 6020B	Т	Selenium	0.00024		0.00024	MDL	U
NSV-5	North Fork Sage Creek, above Pole Creek	North Fork Sage Creek	492267	4724361	SC1120-NSV5-SW001	Primary	SW	11/3/2020	2 20 00 PM	EPA 6020B	D	Selenium	0.00024	mg/L	0.00024	MDL	U
NSV-5	North Fork Sage Creek, above Pole Creek	North Fork Sage Creek	492267	4724361	SC1120-NSV5-SW001	Primary	SW	11/3/2020	2 20 00 PM	EPA 300.0	T	Sulfate as SO4	20.6	mg/L	1.8	MDL/RpToMRL	
NSV-5	North Fork Sage Creek, above Pole Creek	North Fork Sage Creek	492267	4724361	SC1120-NSV5-SW001	Primary	SW	11/3/2020	2 20 00 PM	SM 2540 C	T	Total Diss. Solids	233	0,	0	MDL/RpToMRL	
NSV-5	North Fork Sage Creek, above Pole Creek	North Fork Sage Creek	492267	4724361	SC1120-NSV5-SW001-F	Field Measurement	SW	11/3/2020	2 20 00 PM	YSI ProDSS	T	pH	8.45	SU			
NSV-5	North Fork Sage Creek, above Pole Creek	North Fork Sage Creek	492267	4724361	SC1120-NSV5-SW001-F	Field Measurement	SW	11/3/2020	2 20 00 PM	YSI ProDSS	T	SC	418.3	umhos/cm	1		
NSV-5	North Fork Sage Creek, above Pole Creek	North Fork Sage Creek	492267	4724361	SC1120-NSV5-SW001-F	Field Measurement	SW	11/3/2020	2 20 00 PM	YSI ProDSS	T	Temperature	7.9	С			
NSV-5	North Fork Sage Creek, above Pole Creek	North Fork Sage Creek	492267	4724361	SC1120-NSV5-SW001-F	Field Measurement	SW	11/3/2020	2 20 00 PM	YSI ProDSS	T	DO	8.88	mg/L			
NSV-5	North Fork Sage Creek, above Pole Creek	North Fork Sage Creek	492267	4724361	SC1120-NSV5-SW001-F	Field Measurement	SW	11/3/2020	2 20 00 PM	YSI ProDSS	T	Turbidity	9.33	NTU			
NSV-5	North Fork Sage Creek, above Pole Creek	North Fork Sage Creek	492267	4724361	SC1120-NSV5-SW001-F	Field Measurement	SW	11/3/2020	2 20 00 PM	YSI ProDSS	T	ORP	112.4	mV			
NSV-5	North Fork Sage Creek, above Pole Creek	North Fork Sage Creek	492267	4724361	SC1120-NSV5-SW001-Q	Field Measurement	SW	11/3/2020	2 20 00 PM	2 in Baski cutthroat Flume, table of values	T	Flow	0.07	cfs			
NSV-6	North Fork Sage Creek, below Pole Creek	North Fork Sage Creek	492148	4722563	SC1120-NSV6-SW001	Primary	SW	11/3/2020	1 25 00 PM	EPA 6010D	T	Calcium	92.4	٠,	0.069	MDL	
NSV-6	North Fork Sage Creek, below Pole Creek	North Fork Sage Creek	492148	4722563	SC1120-NSV6-SW001	Primary	SW	11/3/2020	1 25 00 PM	SM 2340 B	T	Hardness (as CaCO3)	291	-	0.543	MDL/RpToMRL	
NSV-6	North Fork Sage Creek, below Pole Creek	North Fork Sage Creek	492148	4722563	SC1120-NSV6-SW001	Primary	SW	11/3/2020	1 25 00 PM	EPA 6010D	T	Magnesium	14.6	0.	0.09	MDL	
NSV-6	North Fork Sage Creek, below Pole Creek	North Fork Sage Creek	492148	4722563	SC1120-NSV6-SW001	Primary	SW	11/3/2020	1 25 00 PM	EPA 6020B	Т	Selenium	0.00042	0.	0.00024	MDL	J
NSV-6	North Fork Sage Creek, below Pole Creek	North Fork Sage Creek	492148	4722563	SC1120-NSV6-SW001	Primary	SW	11/3/2020	1 25 00 PM	EPA 6020B	D	Selenium	0.00031		0.00024	MDL	J
NSV-6	North Fork Sage Creek, below Pole Creek	North Fork Sage Creek	492148	4722563	SC1120-NSV6-SW001	Primary	SW	11/3/2020	1 25 00 PM	EPA 300.0	Т	Sulfate as SO4	18.2	mg/L	1.8	MDL/RpToMRL	
NSV-6	North Fork Sage Creek, below Pole Creek	North Fork Sage Creek	492148	4722563	SC1120-NSV6-SW001	Primary	SW	11/3/2020	1 25 00 PM	SM 2540 C	Т	Total Diss. Solids	286	0,	0	MDL/RpToMRL	
NSV-6	North Fork Sage Creek, below Pole Creek	North Fork Sage Creek	492148	4722563	SC1120-NSV6-SW001-F	Field Measurement	SW	11/3/2020	1 25 00 PM	YSI ProDSS	T _	pH	8.61	SU			
NSV-6	North Fork Sage Creek, below Pole Creek	North Fork Sage Creek	492148	4722563	SC1120-NSV6-SW001-F	Field Measurement	SW	11/3/2020	1 25 00 PM	YSI ProDSS	<u> </u>	SC .	528	umhos/cm	1		
NSV-6	North Fork Sage Creek, below Pole Creek	North Fork Sage Creek	492148	4722563	SC1120-NSV6-SW001-F	Field Measurement	SW	11/3/2020	1 25 00 PM	YSI ProDSS	T	Temperature	2.4	С "			
NSV-6	North Fork Sage Creek, below Pole Creek	North Fork Sage Creek	492148	4722563	SC1120-NSV6-SW001-F	Field Measurement	SW	11/3/2020	1 25 00 PM	YSI ProDSS	T	DO TO A CONTROL OF THE PORT OF	11.66	mg/L			
NSV-6	North Fork Sage Creek, below Pole Creek	North Fork Sage Creek	492148	4722563	SC1120-NSV6-SW001-F		SW	11/3/2020	1 25 00 PM	YSI ProDSS	- -	Turbidity	6.62	NTU			
NSV-6	North Fork Sage Creek, below Pole Creek	North Fork Sage Creek	492148	4722563	SC1120-NSV6-SW001-F	Field Measurement	SW	11/3/2020	1 25 00 PM	YSI ProDSS	I =	ORP	115.7	mV			
NSV-6	North Fork Sage Creek, below Pole Creek	North Fork Sage Creek	492148	4722563	SC1120-NSV6-SW001-Q	Field Measurement	SW	11/3/2020	1 25 00 PM	SonTek FlowTracker2, area-velocity method	I T	Flow	0.14	cfs	0.000	MDI	
UP-IN UP-IN	Upper Pole Canyon Creek above the infiltration basin Upper Pole Canyon Creek above the infiltration basin	Pole Canyon Creek Pole Canyon Creek	489045.6324 489045.6324	4725087.581 4725087.581	SC1120-UPIN-SW001 SC1120-UPIN-SW001	Primary Primary	SW SW	11/3/2020 11/3/2020	10 25 00 AM 10 25 00 AM	EPA 6010D SM 2340 B	I T	Calcium Hardness (as CaCO3)	61.2 232	O,	0.069 0.543	MDL MDL/RpToMRL	
UP-IN UP-IN	Upper Pole Canyon Creek above the infiltration basin Upper Pole Canyon Creek above the infiltration basin	Pole Canyon Creek	489045.6324 489045.6324	4725087.581	SC1120-UPIN-SW001 SC1120-UPIN-SW001	Primary	SW	11/3/2020	10 25 00 AM	SM 2340 B FPA 6010D	T	Magnesium	19.3		0.543	MDI/RPTOWKL	
IIP-IN	Upper Pole Canyon Creek above the infiltration basin	Pole Canyon Creek	489045.6324	4725087.581	SC1120-UPIN-SW001	Primary	SW	11/3/2020	10 25 00 AM	FPA 6020B	т Т	Selenium	0.00026		0.00024	MDL	
IIP-IN	Upper Pole Canyon Creek above the infiltration basin	Pole Canyon Creek	489045.6324	4725087.581	SC1120-UPIN-SW001	Primary	SW	11/3/2020	10 25 00 AM	EPA 6020B	D	Selenium	0.00024	0,	0.00024	MDL	,
UP-IN	Upper Pole Canyon Creek above the infiltration basin	Pole Canyon Creek	489045.6324	4725087.581	SC1120-UPIN-SW001	Primary	SW	11/3/2020	10 25 00 AM	EPA 300.0	T T	Sulfate as SO4	24.2	-	1.8	MDL/RpToMRL	U
UP-IN	Upper Pole Canyon Creek above the infiltration basin	Pole Canyon Creek	489045.6324	4725087.581	SC1120-UPIN-SW001	Primary	SW	11/3/2020	10 25 00 AM	SM 2540 C	Т	Total Diss. Solids	222	-	0	MDL/RpToMRL	
UP-IN	Upper Pole Canyon Creek above the infiltration basin	Pole Canyon Creek	489045.6324	4725087.581	SC1120-UPIN-SW001-F	Field Measurement	SW	11/3/2020	10 25 00 AM	YSI ProDSS	Т	nH	8.23	SU	Ü	moz/npromite	
UP-IN	Upper Pole Canyon Creek above the infiltration basin	Pole Canyon Creek	489045.6324	4725087.581	SC1120-UPIN-SW001-F	Field Measurement	SW	11/3/2020	10 25 00 AM	YSI ProDSS	Т	SC	414.7	umhos/cm	1		
UP-IN	Upper Pole Canyon Creek above the infiltration basin	Pole Canyon Creek	489045.6324	4725087.581	SC1120-UPIN-SW001-F		SW	11/3/2020	10 25 00 AM	YSI ProDSS	Т	Temperature	3.3	C			
UP-IN	Upper Pole Canyon Creek above the infiltration basin	Pole Canyon Creek	489045.6324	4725087.581	SC1120-UPIN-SW001-F	Field Measurement	SW	11/3/2020	10 25 00 AM	YSI ProDSS	T	DO	9.64	mg/L			
UP-IN	Upper Pole Canyon Creek above the infiltration basin	Pole Canyon Creek	489045.6324	4725087.581	SC1120-UPIN-SW001-F	Field Measurement	SW	11/3/2020	10 25 00 AM	YSI ProDSS	T	Turbidity	1.57	NTU			
UP-IN	Upper Pole Canyon Creek above the infiltration basin	Pole Canyon Creek	489045.6324	4725087.581	SC1120-UPIN-SW001-F	Field Measurement	SW	11/3/2020	10 25 00 AM	YSI ProDSS	T	ORP	117.2	mV			
UP-IN	Upper Pole Canyon Creek above the infiltration basin	Pole Canyon Creek	489045.6324	4725087.581	SC1120-UPIN-SW001-Q	Field Measurement	SW	11/3/2020	10 25 00 AM	12 in Parshall Flume, standard equation	T	Flow	0.08	cfs			
UP-PD	Upper Pole Canyon Creek - post-diversion. UP moved 100 ft above diversion structure	Pole Creek	488125	4725211	SC1120-UPPD-SW001	Primary	SW	11/3/2020	9 45 00 AM	EPA 6010D	T	Calcium	61.8	mg/L	0.069	MDL	
UP-PD	Upper Pole Canyon Creek - post-diversion. UP moved 100 ft above diversion structure	Pole Creek	488125	4725211	SC1120-UPPD-SW001	Primary	SW	11/3/2020	9 45 00 AM	SM 2340 B	T	Hardness (as CaCO3)	197	mg/L	0.543	MDL/RpToMRL	
UP-PD	Upper Pole Canyon Creek - post-diversion. UP moved 100 ft above diversion structure	Pole Creek	488125	4725211	SC1120-UPPD-SW001	Primary	SW	11/3/2020	9 45 00 AM	EPA 6010D	T	Magnesium	10.3	mg/L	0.09	MDL	
UP-PD	Upper Pole Canyon Creek - post-diversion. UP moved 100 ft above diversion structure	Pole Creek	488125	4725211	SC1120-UPPD-SW001	Primary	SW	11/3/2020	9 45 00 AM	EPA 6020B	T	Selenium	0.00024	mg/L	0.00024	MDL	U
UP-PD	Upper Pole Canyon Creek - post-diversion. UP moved 100 ft above diversion structure	Pole Creek	488125	4725211	SC1120-UPPD-SW001	Primary	SW	11/3/2020	9 45 00 AM	EPA 6020B	D	Selenium	0.00024	mg/L	0.00024	MDL	U
UP-PD	Upper Pole Canyon Creek - post-diversion. UP moved 100 ft above diversion structure	Pole Creek	488125	4725211	SC1120-UPPD-SW001	Primary	SW	11/3/2020	9 45 00 AM	EPA 300.0	T	Sulfate as SO4	14.7	mg/L	1.8	MDL/RpToMRL	
UP-PD	Upper Pole Canyon Creek - post-diversion. UP moved 100 ft above diversion structure	Pole Creek	488125	4725211	SC1120-UPPD-SW001	Primary	SW	11/3/2020	9 45 00 AM	SM 2540 C	T	Total Diss. Solids	191	O,	0	MDL/RpToMRL	
UP-PD	Upper Pole Canyon Creek - post-diversion. UP moved 100 ft above diversion structure	Pole Creek	488125	4725211	SC1120-UPPD-SW001-F	Field Measurement	SW	11/3/2020	9 45 00 AM	YSI ProDSS	T	pH	8.46	SU			
UP-PD	Upper Pole Canyon Creek - post-diversion. UP moved 100 ft above diversion structure	Pole Creek	488125	4725211	SC1120-UPPD-SW001-F	Field Measurement	SW	11/3/2020	9 45 00 AM	YSI ProDSS	T	SC	354.1	umhos/cm	1		
UP-PD	Upper Pole Canyon Creek - post-diversion. UP moved 100 ft above diversion structure	Pole Creek	488125	4725211	SC1120-UPPD-SW001-F	Field Measurement	SW	11/3/2020	9 45 00 AM	YSI ProDSS	T	Temperature	1.9	С			
UP-PD	Upper Pole Canyon Creek - post-diversion. UP moved 100 ft above diversion structure	Pole Creek	488125	4725211	SC1120-UPPD-SW001-F		SW	11/3/2020	9 45 00 AM	YSI ProDSS	T	DO	10.43	mg/L			
UP-PD	Upper Pole Canyon Creek - post-diversion. UP moved 100 ft above diversion structure	Pole Creek	488125	4725211	SC1120-UPPD-SW001-F		SW	11/3/2020	9 45 00 AM	YSI ProDSS	T	Turbidity	9.6	NTU			
UP-PD	Upper Pole Canyon Creek - post-diversion. UP moved 100 ft above diversion structure	Pole Creek	488125	4725211	SC1120-UPPD-SW001-F		SW	11/3/2020	9 45 00 AM	YSI ProDSS	T	ORP	134.8	mV			
UP-PD	Upper Pole Canyon Creek - post-diversion. UP moved 100 ft above diversion structure	Pole Creek	488125	4725211	SC1120-UPPD-SW001-Q	Field Measurement	SW	11/3/2020	9 45 00 AM	Combination Weir, loc-specific equation	T	Flow	0.15	cfs			